FIG. 1.

ADS TSV EAM YSV ASQ CLH EKK NKR PDI KKV QQL LQE MTA S*

EII TGL PAV DEH REP QLL LDI KEE IED EEK TIE DYI DKK MND

20 30 . 10 ATG AAC AAA CCC ATA ACA CCA TCA ACA TAT GTG CGC TGC CTC T P S T Y V R C L K P I 60 70 50 AAT GTT GGA CTA ATT AGG AAG CTG TCA GAT TTT ATT GAT CCT V G L I R K L S D F I D F 100 110 120 90 CAA GAA GGA TGG AAG AAG TTA GCT GTA GCT ATT AAA AAA CCA EGWKKLAVAIKKP 0 130 1.40 150 160 TCT GGT GAT GAT AGA TAC AAT CAG TTT CAC ATA AGG AGA TTT S G D D R Y N Q F H I R R F 190 200 170 180 GAA GCA TTA CTT CAA ACT GGA AAA AGT CCC ACT TCT GAA TTA E A L L Q T G K S P T S E L 220 230 240 CTG TTT GAC TGG GGC ACC ACA AAT TGC ACA GCT GGT GAT CTT L F D W G T T N C T A G D L 270 280 GTG GAT CTT TTG ATC CAA AAT GAA TTT TTT GCT CCT GCG AGT V D L L I Q N E F F A P A 300 310 320 330 CTT TTG CTC CCA GAT GCT GTT CCC AAA ACT GCT AAT ACA CTA LLPDAVPKT A N T L 350 360 370 CCT TCT AAA GAA GCT ATA ACA GTT CAG CAA AAA CAG ATG CCT P S K E A I T V Q Q K Q M P 400 390 410 420 TTC TGT GAC AAA GAC AGG ACA TTG ATG ACA CCT GTG CAG AAT F C D K D R T L M T P V Q N

FIG. 2A.

CTT GAA CAA AGC TAT ATG CCA CCT GAC TCC TCA AGT CCA GAA L E Q S Y M P P D S S S P E AAT AAA AGT TTA GAA GTT AGT GAT ACA CGT TTT CAC AGT TTT N K S L E V S D T R F H S TCA TTT TAT GAA TTG AAG AAT GTC ACA AAT AAC TTT GAT GAA SFYELKNVTNNFDE CGA CCC ATT TCT GTT GGT GGT AAT AAA ATG GGA GAG GGA R P I S V G G N K M G E G G TTT GGA GTT GTA TAT AAA GGC TAC GTA AAT AAC ACA ACT GTG F G V V Y K G Y V N N T T V GCA GTG AAG AAG CTT GCA GCA ATG GTT GAC ATT ACT ACT GAA A V K K L A A M V D I T T E GAA CTG AAA CAG CAG TTT GAT CAA GAA ATA AAA GTA ATG GCA AAG TGT CAA CAT GAA AAC TTA GTA GAA CTA CTT GGT TTC TCA K C Q H E N L V E L L G F S AGT GAT GGA GAT GAC CTC TGC TTA GTA TAT GTT TAC ATG CCT AAT GGT TCA TTG CTA GAC AGA CTC TCT TGC TTG GAT GGT ACT G S L L D R L S C L D G T

FIG. 2B.

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860 850 870 CCA CCA CTT TCT TGG CAC ATG AGA TGC AAG ATT GCT CAG GGT P P L S W H M R C K I A Q G 890 900 910 920 GCA GCT AAT GGC ATC AAT TTT CTA CAT GAA AAT CAT CAT ATT ANGINF LHENHHI 930 940 950 960 CAT AGA GAT ATT AAA AGT GCA AAT ATC TTA CTG GAT GAA GCT H R D I K S A N I L L D E A 970 980 990 1000 TTT ACT GCT AAA ATA TCT GAC TTT GGC CTT GCA CGG GCT TCT F T A K I S D F G L A R A S 1030 1010 1020 1040 GAG AAG TTT GCC CAG ACA GTC ATG ACT AGC AGA ATT GTG GGA E K F A O T V M T S R I V G 1060 1070 1080 ACA ACA GCT TAT ATG GCA CCA GAA GCT TTG CGT GGA GAA ATA T T A Y M A P E A L R G E I 1100 1110 1120 ACA CCC AAA TCT GAT ATT TAC AGC TTT GGT GTG GTT TTA CTA T P K S D I Y S F G V V L L 1140 1150 1160 GAA ATA ATA ACT GGA CTT CCA GCT GTG GAT GAA CAC CGT GAA EIITGLPAVD E H R E 1190 1200 CCT CAG TTA TTG CTA GAT ATT AAA GAA GAA ATT GAA GAT GAA PQLLLDIKEEIEDE 1230 1240 1250 GAA AAG ACA ATT GAA GAT TAT ATT GAT AAA AAG ATG AAT GAT EKTIEDYIDKKMND

FIG. 2C.

FIG. 2D.

MNK PLT PST YIR NLN VGI LRK LSD FID PQE GWK KLA VAI KKP SGD DRY NOF HIR RFE ALL QTG KSP TCE LLF DWG TTN CTV GDL 100 110 VDL LVQ IEL FAP ATL LLP DAV PQT VKS LPP REA ATV AQT HGP COE KDR TSV MPM PKL EHS CEP PDS SSP DNR SVE SSD TRF HSF SFH ELK SIT NNF DEQ PAS AGG NRM GEG GFG VVY KGC VNN TIV AVK KLG AMV KIS TEE LKQ QFD QEI KVM ATC QHE NLV ELL GFS SDG DNL CLV YAY MPN GSL LDR LSC LDG TPP LSW HTR CKV AQG TAN GIR FLH ENH HIH RDI KSA NIL LDK DFT AKI SDF GLA RAS 350 . 360 ARL AQT VMT SRI VGT TAY MAP EAL RGE ITP KSD IYS FGV VLL 390 400 ELI TGL AAV DEN REP QLL LDI KEE IED EEK TIE DYT DEK MSD ADP ASV EAM YSA ASQ CLH EKK NRR PDI AKV QQL LQE MSA *

FIG. 3.

10 20 30 GCG GCC GCG TCG ACA TGC CCC GGT GAC CCG CAG CAT CCC GAT 70 50 60 CGC AGG CAG TCT GAA GTC GCC TGG TGG TCC TGC GTC CTC CAC 110 120 100 CCC CGA GTC CTC GCC GGA CGT GGC GGG ACG CCG ATC GCC TTG 140 150 130 TCC AGG AAG CGA GGG ACG TCC GAG AGG AAG TAG AAG ATG AAC 180 190 170 200 210 AAG CCG TTG ACA CCA TCG ACA TAC ATA CGC AAC CTT AAT GTG K P L T P S T Y I R N L N V 230 220 240 GGG ATC CTT AGG AAG CTG TCG GAT TTT ATT GAT CCT CAA GAA G I L R K L S D F I D P O E 260 270 280 GGG TGG AAG AAA TTA GCA GTA GCT ATC AAA AAG CCG TCC GGC G W K K L A V A I K K P S G 310 300 320 330 GAC GAC AGA TAC AAT CAG TTC CAT ATA AGG AGA TTC GAA GCC 340 350 360 370 TTA CTT CAG ACC GGG AAG AGC CCC ACC TGT GAA CTG CTG TTT LLQTGKSPTCELLF 380 390 400 410 GAC TGG GGC ACC ACG AAC TGC ACA GTT GGC GAC CTT GTG GAT 430 440 450 CTA CTG GTC CAG ATT GAG CTG TTT GCC CCC GCC ACT CTC CTG L LVQIELFAPATLL

FIG. 4A.

470 480 490 CTG CCG GAT GCC GTT CCC CAA ACC GTC AAA AGC CTG CCT CCT P D A V P Q T V K S L P P 510 520 - 530 540 AGA GAA GCG GCA ACA GTG GCA CAA ACA CAC GGG CCT TGT CAG A A T V A Q T H G P C O 550 560 570 580 GAA AAG GAC AGG ACA TCC GTA ATG CCT ATG CCG AAG CTA GAA E K D R T S V M P M P K L E 590 610 600 620 CAC AGC TGC GAG CCA CCG GAC TCC TCA AGC CCA GAC AAC AGA S C E P P D S S S P D N R 640 650 660 AGT GTA GAG TCC AGC GAC ACT CGG TTC CAC AGC TTC TCG TTC S V E S S D T R F H S F S F 680 690 700 CAT GAA CTG AAG AGC ATC ACA AAC AAC TTC GAC GAG CAA CCC Η ELKSITNNF D E O P 720 730 740 750 GCG TCT GCC GGT GGC AAC CGG ATG GGA GAG GGG GGA TTT GGA A S A G G N R M G E G G F G 770 780 GTG GTG TAC AAG GGC TGT GTG AAC AAC ACC ATC GTG GCG GTG V V Y K G C V N N T I V A V 800 810 820 830 AAG AAG CTC GGA GCG ATG GTT GAA ATC AGT ACT GAA GAA CTA K K L G A M V E I S T E 850 860 870 AAG CAA CAG TTT GAT CAA GAA ATT AAA GTA ATG GCA ACG TGT K 0 Q F D O E I K V Α Μ T C

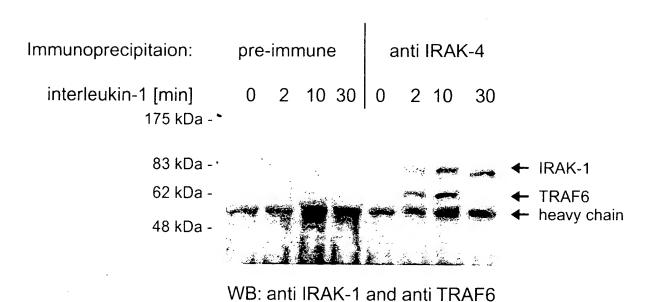
FIG. 4B.

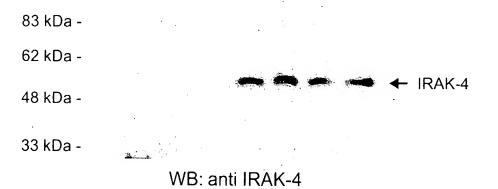
890 900 910 CAG CAC GAG AAC CTG GTG GAG CTG CTC GGC TTC TCC AGC GAC H E N L V E L L G F S S D 930 940 950 960 AGC GAC AAC CTG TGC TTA GTG TAT GCT TAC ATG CCC AAC GGG S D N L C L V Y A Y M P N G 970 980 990 1000 TCC TTG CTG GAC AGA CTG TCC TGC CTG GAT GGT ACA CCA CCG S L LDRLSCLDGT PР 1010 1020 1030 1040 CTT TCC TGG CAC ACA AGG TGC AAG GTT GCT CAG GGG ACA GCA W H T R C K V A Q G S 1060 1070 1080 AAT GGC ATC AGG TTT CTG CAT GAA AAT CAT CAC ATT CAT AGA NGIRFLHENHHIHR 1100 1110 1120 GAT ATT AAA AGT GCA AAT ATC TTA CTA GAC AAA GAC TTT ACT D I K S A N I L D K D F T 1140 1150 1160 GCC AAA ATA TCT GAC TTT GGG CTT GCA CGG GCT TCG GCA AGG S D F G L A R A S A R A E I 1190 1200 1210 CTA GCG CAG ACG GTC ATG ACC AGC CGA ATC GTG GGC ACA ACG Q T V M T S R I V G T T L A 1230 1240 1250 GCT TAC ATG GCA CCC GAA GCT TTG CGG GGA GAA ATA ACA CCC M A P E A L R G E I T P A Y 1270 1280 1290 AAA TCT GAC ATC TAC AGC TTC GGC GTG GTT CTG TTG GAG CTG D I Y S F G V V L K S L E L

FIG. 4C.

1320 1310 1330 ATA ACC GGG CTG GCG GCT GTG GAT GAA AAC CGT GAA CCT CAA T G L A A V D E N R E P Q 1370 1360 1380 1350 CTA CTG CTG GAT ATT AAA GAA GAG ATT GAA GAT GAA GAG AAG LLLDIKEEIEDEEK 1390 . 1400 1410 1420 ACG ATT GAA GAT TAC ACG GAT GAG AAG ATG AGC GAT GCG GAC T I E D Y T D E K M S D A D 1450 1460 1430 1440 CCT GCT TCG GTG GAA GCA ATG TAC TCT GCT GCT AGC CAG TGT P A S V E A M Y S A A S Q C 1490 1500 1480 CTG CAT GAG AAG AAA AAC AGA CGG CCA GAC ATT GCA AAG GTT L H E K K N R R P D I A K V 1520 1530 1540 CAA CAG CTG CTA CAA GAG ATG TCT GCT TAA Q L L Q E M S A *> Q

FIG. 4D.





F/G. 5.

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